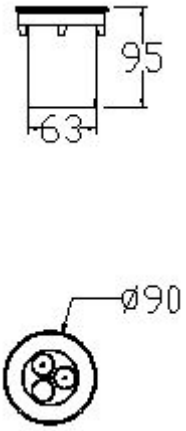
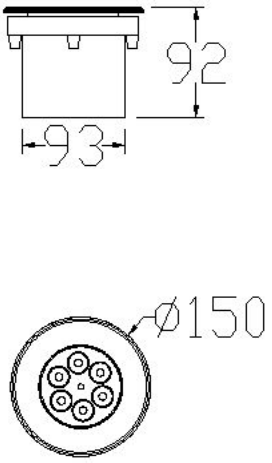
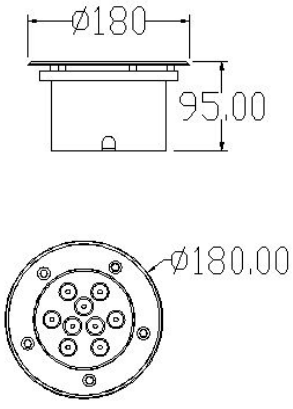
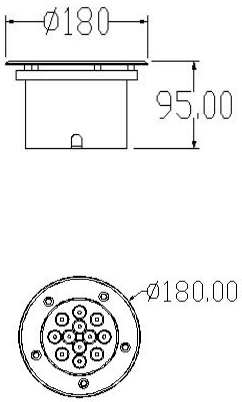
Shenzhen Heguang Lighting Co., Ltd.
Address: 3 Floor, Building 1, Runteng Shangpai 1st Industrial Area, No. 3 Yonghe Road, Shiyan, Baoan, Shenzhen, 518108 China
Website: www.hgled.net E-Mail:seles3@hgled.net

Specification & User Manual

Led Underground Light

Led Ground Light HG-P20G-3W	Dimension diagram	Led Ground Light HG-P30G-6W	Dimension diagram
			
Led Ground Light HG-P38G-9W	Dimension diagram	Led Ground Light HG-P38G-12W	Dimension diagram
			

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Production Description

Material: Stainless steel+Aluminium+tempered glass
LED Chip: High Power LED Chip
Voltage: 85-265V AC
Frequency: 50/60 HZ
Constant Current driver + over-current protection
Color: white, red, green, blue, yellow, RGB, etc
Beam Angle: 30^0,45^0,60^0.
Life Span:>30000 hours,
Low carbon, energy saving, environmental.

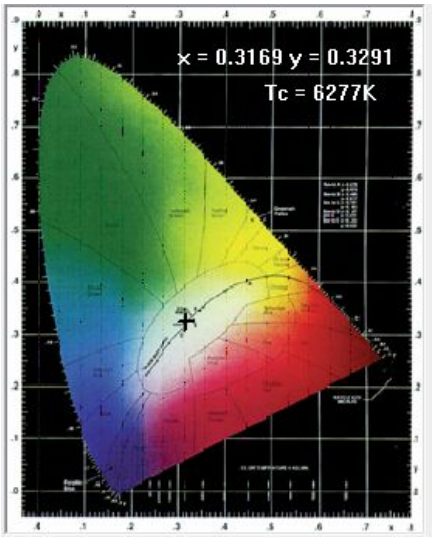
Application

■Garden, Courtyard, Clubs, Stages, Parks etc.

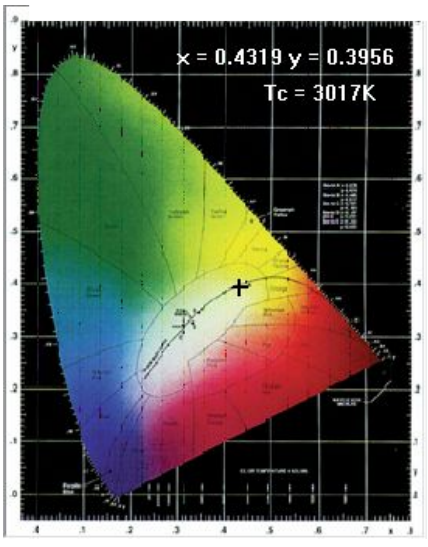
Performance	Specification
Working Temperature	<60℃
Storing Temperature	-20～60℃
Working Environment Temperature	-20～60℃
Humidity	≤80%RH
Protection Function	√ Over-current

Application Pictures

Chromatic Diagram



Pure White



Warm White

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Technical Parameters

Model No.	HG-P20G-3W	HG-P30G-6W	HG-P38G-9W	HG-P38G-12W
LED Type	High Power 1 W	High Power 1 W	High Power 1 W	High Power 1 W
LED Qty/pcs	3 PCS	6 PCS	9 PCS	12 PCS
Input Voltage/V	85-265V AC 12V(RGB)	85-265V AC 12V(RGB)	85-265V AC 12V(RGB)	85-265V AC 12V(RGB)
Power /W	4±0.5W(W,G,B) 3±0.5W(red)	7±1W(W,G,B) 5±1W(red) 2-6W(RGB)	10±1W(W,G,B) 7±1W(red) 3-9W(RGB)	13±1W(W,G,B) 9±1W(red) 4-12W(RGB)
Luminous flux /LM	White: 160±5%Lm Red: 50 ± 5 % Lm Green: 130±5%Lm Blue:25±5%Lm	White: 320±5%Lm Red: 130 ± 5 % Lm Green: 290±5%Lm Blue:50 ± 5 % Lm RGB: 18-180Lm	White: 500±5%Lm Red: 190 ± 5 % Lm Green: 450±5%Lm Blue:75±5%Lm RGB: 24-270Lm	White: 680 ± 5 % Lm Red: 250 ± 5 % Lm Green: 540±5%Lm Blue:100 ± 5 % Lm RGB: 32-360Lm
Material	Stainless steel Aluminum+tempered glass	Stainless steel Aluminum+tempered glass	Stainless steel Aluminum+tempered glass	Stainless steel Aluminum+tempered glass
Power Factory	＞0.8	＞0.8	＞0.8	＞0.8
CRI	＞70	＞70	＞70	＞70
Color Temperature	WW:3000-3500K PW:6000-6500K R: 620-630nm G: 515-525nm B: 460-470nm	WW:3000-3500K PW:6000-6500K R: 620-630nm G: 515-525nm B: 460-470nm	WW:3000-3500K PW:6000-6500K R: 620-630nm G: 515-525nm B: 460-470nm	WW:3000-3500K PW:6000-6500K R: 620-630nm G: 515-525nm B: 460-470nm
Dimension	Φ90×95mm	Φ150×92mm	Φ180×95	Φ180×95
N.W(Kg)/ G..W(Kg)	0.4/0.5	0.95/1.15	1.4/1.6	1.4/1.65
Qty./Ctn & dimension	40 pcs/50x40x25cm 22kg/ctn	24pcs/ 65x50xx25 cm 29kg/ctn	18 pcs/ 58x39x38cm 29.5kg/ctn	18 pcs/ 58x39x38cm 30kg/ctn

COLOR: Single color or RGB

(1) Single color: White(pure white, warm white, cool white), Red, Green, Blue, Yellow.

(2) RGB :14 kinds of RGB color Change programs

1. Red (solid color – red)

2. Green (solid color – green)

3. Blue (solid color – blue)

4. Red + green

5. Green + blue

6. Red + blue

7. Red + green + blue = white

8. Dynamic change: red change to green

9. Dynamic change: green change to blue

10. Dynamic change: red change to blue

11. Dynamic RGB change
Dynamic color change: from Red to Green, then Blue

12. Dynamic & Colorful change
Dynamic color change: from Red to Green, then Blue, Red+blue, Green+blue, Blue+red, RGB

13. RGB fading effect
Fading from Red to Green, then Blue

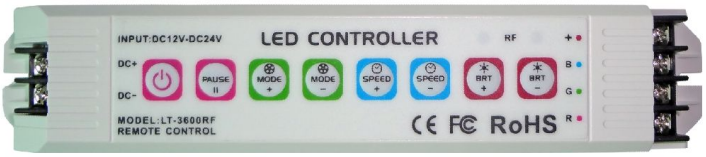
14. Colorful fading effect

II. RGB control method: 2 Kinds of RGB color Change control methods

(1) Automatically control method: Automatically change RGB color, it is a pre-set program.
(2) External/wire Control Method
This control method means external control by LED RGB controller, it is **4 wires cable connection**, could control RGB change pattern both by RGB controller manually and remote.

(A) LED RGB Wire controller instruction:

External RGB Controller



External RGB Remote

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ON/OFF: Turn on/off the light
PAUSE: Pause the color change
MODE+: RGB change mode +
MODE-: RGB change mode -
SPEED: Alter the color change speed when in dynamic color change & fading effect
BRT: Alter the light brightness
RESET: Reset the RGB mode
DC+: Connect power supply (12V DC+)
DC-: Connect power supply (12V DC-)
+: Connect to lamp +
B: Connect to lamp B
G: Connect to lamp G
R: Connect to lamp R

(B). Remote controller for LED RGB Wire controller (effective distance: 50 meters)

1: On/off: Turn on/off the light
2: Pause: Pause the color change
3: M+: RGB change mode + or press 3 seconds to enter all RGB pattern cycle
4: M-: RGB change mode – or press 3 seconds to enter DIY RGB memory cycle
5. S +: Alter the color change speed when in dynamic color change & fading effect
6. S -: Speed down the color change speed when in dynamic color change & fading effect
7. B+: Increase brightness in solid color pattern
8. B-: Decrease brightness in solid color pattern
9. M1: DIY RGB change pattern memory, press 3 seconds & save your favorite RGB pattern.
10. M2: DIY RGB change pattern memory, press 3 seconds & save your favorite RGB pattern.
11. M3: DIY RGB change pattern memory, press 3 seconds & save your favorite RGB pattern.
12. M4: DIY RGB change pattern memory, press 3 seconds & save your favorite RGB pattern.

*Installation Instructions:

Connection: Connect Power supply(12V DC) to one end(DC+, DC-) of LED RGB wire controller, then another end(+, B, G, R port)of LED RGB wire controller connect to 4 wires(V, B,G, R) of lamp(with housing) as diagram below.

Remark: RGB controller power is 200W, if total lamp wattage is over 180W, need to add Amplifier to enhance RGB signal.

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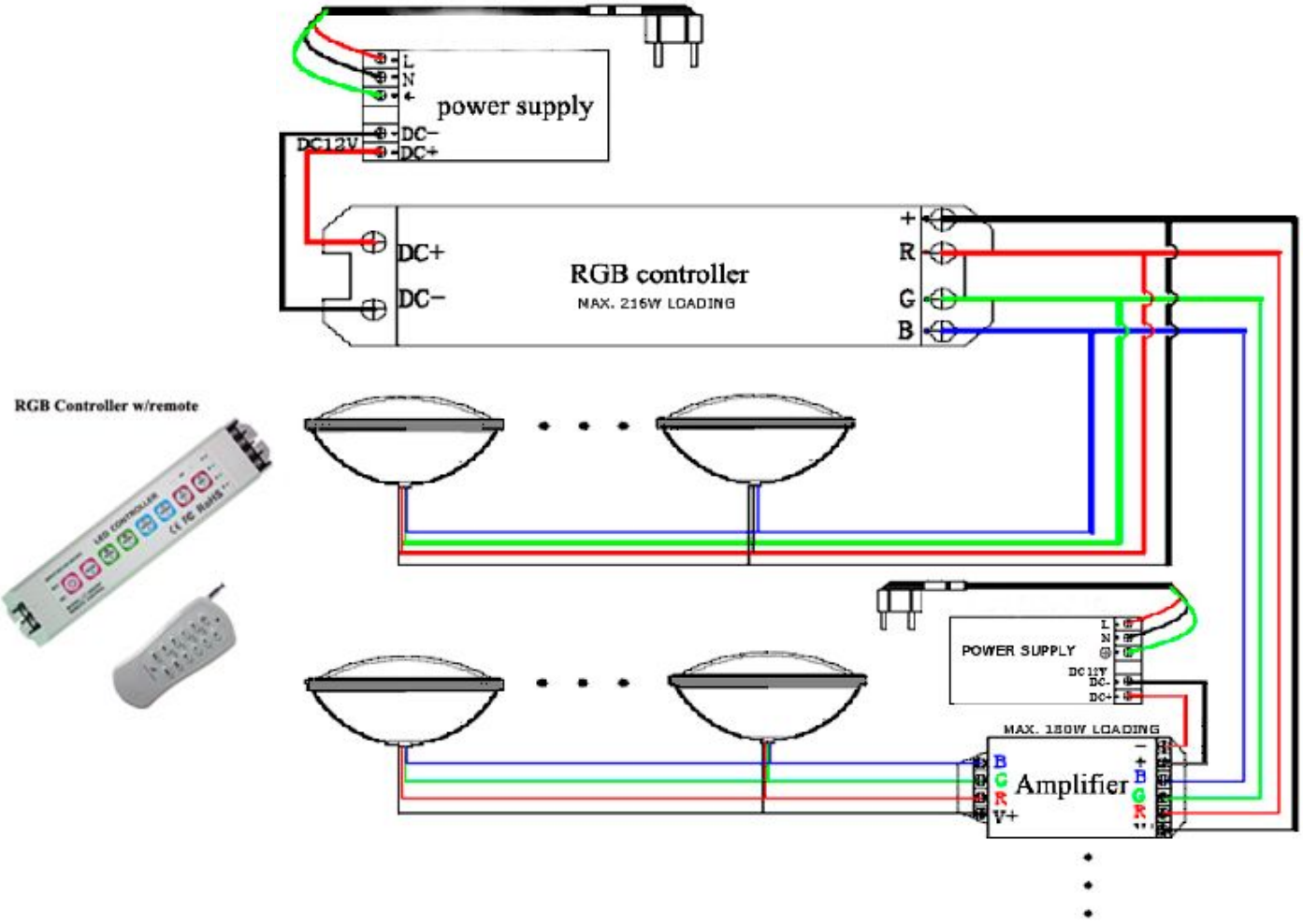
Diagram



Caution :

1. **Please read product manual carefully and make sure the working circumstance is compliant with the condition requests in the manual before use the lamps.**
2. **Make sure that power is cut off before connect the lamps to power supply systems.**
3. **Don't mix-connect the 4 wires(V+, B, G, R) to connect port of LED RGB wire controller(+, B, G, R), otherwise will short-circuit the lamp.**